




STY34NB50

Manufacturer Part Number	STY34NB50
Manufacturer	STMicroelectronics
Allelco Part Number	32D-STY34NB50
ECAD Model	 Request Free CAD Models
Parts Description	MOSFET N-CH 500V 34A MAX247
Package	TO-247-3
Data sheet	STY34NB50.pdf



Get a Quote

STY34NB50 - STMicroelectronics. New Original in Stock. Download Linear Technology STY34NB50 datasheet/specifications on AllelcoElec.com.
Request a quote for STY34NB50, please send us email: info@allelco.com





Specifications

STY34NB50 Tech Specifications
STY34NB50 - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Operating Temperature	150°C (TJ)
Vgs(th) (Max) @ Id	5V @ 250µA	Mounting Type	Through Hole
Vgs (Max)	±30V	Input Capacitance (Ciss) (Max) @ Vds	9100 pF @ 25 V
Technology	MOSFET (Metal Oxide)	Gate Charge (Qg) (Max) @ Vgs	223 nC @ 10 V
Supplier Device Package	MAX247™	FET Type	N-Channel
Series	PowerMESH™	FET Feature	-
Rds On (Max) @ Id, Vgs	130mOhm @ 17A, 10V	Drive Voltage (Max Rds On, Min Rds On)	10V
Power Dissipation (Max)	450W (Tc)	Drain to Source Voltage (Vdss)	500 V
Package / Case	TO-247-3	Current - Continuous Drain (Id) @ 25°C	34A (Tc)
Package	Tube	Base Product Number	STY34N

Parts with Similar Specifications


The three parts on the right have similar specifications to STMicroelectronics STY34NB50

Product Attribute	 NO PICTURE	 life.augmented	 life.augmented	 life.augmented
Part Number	STY34NB50	STY30NK90Z	STY80NM60N	STY100NM60N
Manufacturer	STMicroelectronics	STMicroelectronics	STMicroelectronics	STMicroelectronics
Current - Continuous Drain (Id) @ 25°C	34A (Tc)	26A (Tc)	74A (Tc)	98A (Tc)
Drive Voltage (Max Rds On, Min Rds On)	10V	10V	10V	10V
Drain to Source Voltage (Vdss)	500 V	900 V	600 V	600 V
Operating Temperature	150°C (TJ)	-65°C ~ 150°C (TJ)	150°C (TJ)	-55°C ~ 150°C (TJ)
Vgs(th) (Max) @ Id	5V @ 250µA	4.5V @ 150µA	4V @ 250µA	4V @ 250µA
Rds On (Max) @ Id, Vgs	130mOhm @ 17A, 10V	260mOhm @ 14A, 10V	35mOhm @ 37A, 10V	29mOhm @ 49A, 10V
Technology	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)	MOSFET (Metal Oxide)
Package	Tube	Tube	Tube	Tube
Base Product Number	STY34N	STY30N	STY80N	STY100
Package / Case	TO-247-3	TO-247-3	TO-247-3	TO-247-3
Power Dissipation (Max)	450W (Tc)	450W (Tc)	447W (Tc)	625W (Tc)
Gate Charge (Qg) (Max) @ Vgs	223 nC @ 10 V	490 nC @ 10 V	360 nC @ 10 V	330 nC @ 10 V
Series	PowerMESH™	SuperMESH™	MDmesh™ II	MDmesh™ II
Input Capacitance (Ciss) (Max) @ Vds	9100 pF @ 25 V	12000 pF @ 25 V	10100 pF @ 50 V	9600 pF @ 50 V
Supplier Device Package	MAX247™	MAX247™	MAX247™	MAX247™
Mounting Type	Through Hole	Through Hole	Through Hole	Through Hole
Vgs (Max)	±30V	±30V	±25V	25V
FET Feature	-	-	-	-
FET Type	N-Channel	N-Channel	N-Channel	N-Channel

STY34NB50 Datasheet PDF

Download STY34NB50 pdf datasheets and STMicroelectronics documentation for STY34NB50 - STMicroelectronics.

Datasheets


STY34NB50.pdf

Customers Also Interested in

Recommended Products

**STY30NK90Z**STMicroelectronics
MOSFET N-CH 900V 26A MAX247**STY34NB50F**

STMicroelectronics

STY80NM60NSTMicroelectronics
MOSFET N-CH 600V 74A MAX247**STY25NA60**

STMicroelectronics

STY60NM50 MOS

STMicroelectronics

STY30NA50

STMicroelectronics

**STY100NM60N**STMicroelectronics
MOSFET N-CH 600V 98A MAX247**STY60NA20 CMH82N25**

STMicroelectronics

STY139N65M5STMicroelectronics
MOSFET N-CH 650V 130A MAX247**STY145N65M5**STMicroelectronics
MOSFET N-CH 650V 138A MAX247**STY112N65M5**STMicroelectronics
MOSFET N-CH 650V 96A MAX247**STY105NM50N**STMicroelectronics
MOSFET N-CH 500V 110A MAX247**STY100NS20FD**STMicroelectronics
MOSFET N-CH 200V 100A MAX247**STY60NM50**STMicroelectronics
MOSFET N-CH 500V 60A MAX247**STY60NM60**STMicroelectronics
MOSFET N-CH 600V 60A MAX247**STY140NS10**STMicroelectronics
MOSFET N-CH 100V 140A MAX247**STY16NA90**

STMicroelectronics

STY60NK30ZSTMicroelectronics
MOSFET N-CH 300V 60A MAX247

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

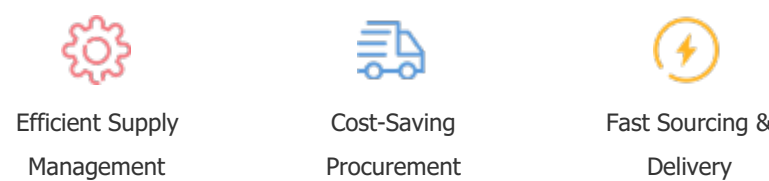
Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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